

### **Abstract of the Disclosure**

**[0068]** A seismic data acquisition apparatus having a recorder co-located with a sensor unit in a seismic spread and a communication device for direct communication with a central recorder. A memory located in the recorder and/or in the central controller holds location parameters associated with the sensor unit, and the parameters can be updated.

- 5   Methods of seismic data acquisition including sensing seismic energy and recording the sensed energy at the sensor location. Delivering the recorded information to a central recorder by manually retrieving removable memory from each recorder, by wireless transmission of the information, or by removing the information from each recorder by inductive or cable connectors and a transfer device.